

Title (en)  
ELECTRICAL MACHINE HAVING A SEGMENTED STATOR

Title (de)  
ELEKTRISCHE MASCHINE MIT EINEM SEGMENTIERTEN STATOR

Title (fr)  
MACHINE ÉLECTRIQUE COMPORTANT UN STATOR

Publication  
**EP 3811496 B1 20220629 (EN)**

Application  
**EP 19795134 A 20191018**

Priority  
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Abstract (en)  
[origin: EP3648306A1] It is described a stator segment (100) for the stator (11) or the rotor (12) of an electrical machine (10) including a segment body (22) circumferentially extending about a longitudinal axis (Y) of the stator segment (100) between two circumferential ends (23). The segment body (22) includes:- a plurality of teeth (15, 16) protruding according to a radial direction orthogonal to the longitudinal axis (Y) from a yoke (13) of the segment body (22) to respective tooth radial ends (35, 36), the plurality of teeth (15, 16) being circumferentially distributed between two end teeth (15) of the plurality of teeth (15, 16), the plurality of teeth (15, 16) comprising at least one intermediate tooth (16) circumferentially comprised between the end teeth (15),- a plurality of slots (17, 18), circumferentially interposed between the teeth (15, 16) of the stator (11).At least one of the two end teeth (15) includes a circumferential protrusion (45) at the respective tooth radial end (35), the circumferential protrusion (45) protruding from the respective side face (25) towards the respective circumferential end (23).

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